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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM 8-K**

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**CURRENT REPORT**  
Pursuant to Section 13 or 15(d)  
of the Securities Exchange Act of 1934

**Date of Report (Date of earliest event reported): March 5, 2019**

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**SYNOLOGIC, INC.**  
(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-37566**  
(Commission  
File Number)

**26-1824804**  
(IRS Employer  
Identification No.)

**301 Binney St., Suite 402**  
**Cambridge, MA**  
(Address of principal executive offices)

**02142**  
(Zip Code)

**(617) 401-9975**  
**Registrant's telephone number, including area code**

**Not applicable**  
(Former Name or Former Address, if Changed Since Last Report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

Emerging Growth Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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**Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

*(e) Compensatory Arrangements of Certain Officers*

***Aoife M. Brennan, MB, BCh, BAO, MMSc***

On March 5, 2019, the Board of Directors (the “Board”) of Synlogic, Inc. (the “Company”), upon recommendation of the Compensation Committee of the Board (the “Compensation Committee”), approved an increase in the target annual cash bonus amount for 2019 for Aoife M. Brennan, MB, BCh, BAO, MMSc, President, Chief Executive Officer and Chief Medical Officer of the Company, from 40% of base salary to 50% of base salary.

***Todd Shegog***

On March 5, 2019, the Compensation Committee approved an increase in the target annual cash bonus amount for 2019 for Todd Shegog, Chief Financial Officer of the Company, from 30% of base salary to 40% of base salary.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**SYNLOGIC, INC.**

Date: March 7, 2019

By: /s/ Todd Shegog

Name: Todd Shegog

Title: Chief Financial Officer